

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 05174826  
PUBLICATION DATE : 13-07-93

APPLICATION DATE : 25-12-91  
APPLICATION NUMBER : 03343183

APPLICANT : SANYO EXCEL KK;

INVENTOR : YANO MUTSUMI;

INT.CL. : H01M 4/62 H01M 4/24 H01M 10/24

TITLE : ZINC ALKALINE BATTERY

ABSTRACT : PURPOSE: To remarkably improve the corrosion resistance of a zinc electrode to improve its reliability and battery characteristics even if it is reactivated.

CONSTITUTION: In a zinc alkali battery which uses zinc as a negative electrode active material and an alkali solution as an electrolyte, monopolyoxyethylene fatty acid alkyl amide, which is expressed by the following chemical formula, is used as antiseptics for the negative electrode active material;  $RCON(CH_2CH_2O)_nH$ , where R is an alkyl group and n is a polymerization degree of polyoxyethylene.

COPYRIGHT: (C)1993,JPO&Japio